

Title (en)
DEVICE FOR Laterally Transporting Excess Ink, Ink-Water Emulsions or Water

Publication
EP 0223020 B1 19910313 (DE)

Application
EP 86113461 A 19861001

Priority
DE 3540912 A 19851119

Abstract (en)
[origin: US4711171A] Liquid is moved axially along a liquid roller (1) by a transport roller (2) from end regions towards the center region by forming the transport roller (2) with two conical surface regions (4, 5) which, alternately, are tipped in engagement with the liquid roller (1) while the respectively engaged conical section (e.g. FIG. 1: 4) is axially moving towards the center region of the liquid roller (1). The transport roller can receive its drive by surface engagement, for example, by a cylindrical center portion (3) with the liquid roller, and internal gearing, and positioning of bearings (19, 20) retaining the end portions of the double-conical transport roller eccentrically with respect to the common center shaft (18) which is rotated through a reduction gearing (23-25-26), and simultaneously controls axially oscillating or reciprocating movement by a cam - cam follower arrangement (16, 17) so that synchronism between tipping of the conical surfaces in engagement with the liquid roller and axial movement thereof is insured.

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B41F 31/00

IPC 8 full level
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